AMENDMENTS TO THE CLAIMS

1. (currently amended) A line transition ~~including~~ comprising:

a dielectric substrate;

a ~~solid~~ waveguide, the waveguide propagating electromagnetic waves within a three-dimensional space; and

a conductive pattern formed on the dielectric substrate, the conductive pattern including a coupled-line pattern segment electromagnetically coupled with the electromagnetic waves propagating through the waveguide and a transmission-line pattern segment extending from the coupled-line pattern segment ~~a planar circuit to realize planar-circuit to waveguide transition, the solid waveguide propagating electromagnetic waves within a three-dimensional space, the planar circuit being constructed by forming a predetermined conductive pattern on a dielectric substrate~~, wherein

the dielectric substrate is disposed parallel to ~~the~~ an E plane of the ~~solid~~ waveguide ~~in almost the middle of the solid waveguide~~, and

~~the conductive pattern on the dielectric substrate includes a coupled-line pattern segment electromagnetically coupled with a signal propagating through the solid waveguide and a transmission-line pattern segment extending from the coupled-line pattern segment, and~~

an ~~the~~ edge of the dielectric substrate has a notch in the vicinity of the coupled-line pattern segment, the notch having a side that is parallel to a ~~the~~ signal propagation direction of the coupled-line pattern segment, the length of the side being equal to or longer than ~~the dimension in the~~ a width ~~direction~~ of the E plane of the ~~solid~~ waveguide.

2. (original) A high frequency module including the line transition according to Claim 1.

3. (currently amended) A method for manufacturing a line transition including a solid waveguide and a planar circuit to realize planar-circuit to waveguide transition, the solid waveguide propagating electromagnetic waves within a three-dimensional space, the planar circuit being constructed by forming a predetermined conductive pattern on a dielectric substrate, the dielectric substrate being disposed parallel to an ~~the~~ E plane of the solid waveguide in substantially a ~~almost the~~ middle of the solid waveguide, the conductive pattern on the dielectric substrate including a coupled-line pattern segment electromagnetically coupled with the electromagnetic waves ~~a signal~~ propagating through the solid waveguide and a transmission-line pattern segment extending from the coupled-line pattern segment, an ~~the~~ edge of the dielectric substrate having a notch in a ~~the~~ vicinity of the coupled-line pattern segment, the notch having a side that is parallel to a ~~the~~ signal propagation direction of the coupled-line pattern segment, a ~~the~~ length of the side being equal to or longer than a ~~the dimension in the~~ width ~~direction~~ of the E plane of the solid waveguide, the method comprising ~~the steps of~~:

forming a plurality of the conductive patterns in a ceramic green sheet;

forming ~~and~~ through holes in [[a]] the ceramic green sheet ~~serving as a motherboard~~ such that each through hole is arranged in a ~~the~~ vicinity of a ~~the~~ corresponding ~~line-coupled~~ coupled-line pattern segment of the conductive pattern at a predetermined spacing;

firing the ceramic green sheet to form a motherboard; and

cutting the ~~fired~~ motherboard along lines passing through the through holes such that each through hole in the ~~fired~~ motherboard serves as the notch.

4. (new) The line transition according to claim 1, wherein the waveguide is a solid waveguide.

5. (new) The line transition according to claim 1, wherein the conductive pattern is a planar circuit which accomplishes planar-circuit to waveguide transition.

6. (new) The line transition according to claim 1, wherein the dielectric substrate is disposed in substantially a middle of the waveguide.